

## Vitellaro, Chandra

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**From:** McClintock, Katie  
**Sent:** Saturday, February 13, 2016 3:02 PM  
**To:** 'PALERMO.Jaclyn@deq.state.or.us'  
**Cc:** MONRO David (MONRO.David@deq.state.or.us)  
**Subject:** owens-brockway glass and ceramics

Jaclyn – Dave got me curious about other chrome applications like ceramics and larger scale glass manufacture. I'm going to look into broader ways to target all sales of hexavalent chromium but wanted to share what I have learned.

I have looked at your Owens-Brockway TRI report (which of course is always 100% accurate ☺). They are currently reporting lead emissions but haven't reported chromium since 1997 and 1992.

Also have done a little bit of ceramic poking around (and I know very little about ceramics so this may be off to a slow start) and looks like the major glaze companies (Amaco is one) doesn't use any chromium according to their msdses and tri. They do use frit in some of their glazes which may be how they avoid using them. There is a nontoxic coating independent standard that people want to meet (given that people eat off this stuff). Most companies only sell compliant glazes. However, [ceramic companies sell chromium oxide](#) (III) for people who are doing ceramic glaze work. Though this is trivalent, it is used in heating applications and I am guessing with minimal venting in studios and it is possible it presents an indoor air issue (and I suppose outside if big enough). I'll keep trying to dig more.

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